

**Abstract**

The invention describes new compounds as pharmaceutical active ingredients, which have in vitro a higher affinity to estrogen receptor preparations from rat prostates than to estrogen receptor preparations from rat uteri and in vivo a preferential action on bone rather than the uterus, their production, their therapeutic use and pharmaceutical dispensing forms that contain the new compounds.

The new compounds are  $16\alpha$ - and  $16\beta$ -hydroxy-estra-1,3,5(10)-estratrienes, which carry additional substituents on the steroid skeleton and can have one or more additional double bonds in the B-, C- and/or D-rings.

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